

WHAT IS CLAIMED IS:

1. A nasal topical application product for restricting the flow of airborne
contaminants into a human nasal passage by creation of an artificial
electrostatic field near the human nose, wherein the nasal application
product consists essentially of:

(a) a plurality of masses of one or more electrostatic
polymers; and,

(b) a topical carrier having said plurality of masses
dispersed through a portion thereof,

wherein at least one of said one or more electrostatic polymers is a
poly (dimethyl diallyl ammonium chloride) polymer and is included in
said product in an amount of at least 10% by weight, based on the total
weight of said plurality of masses of one or more electrostatic polymers
and said topical carrier.

2. The nasal application product of claim 1 wherein said product is selected from the group consisting of topical solutions, semisolids, spray solutions and vaporizable solutions.

5 3. The nasal application product of claim 1 wherein said product is selected from the group consisting of ointments, pastes, creams and gels.

10 4. The nasal application product of claim 1 wherein said carrier is selected from the group consisting of diluents, volatile spray carriers, lotions, solvents, gels and hydrogels.

15 5. The nasal application product of claim 1 wherein said carrier is a diluent selected from the group consisting of alcohols, glycerines, organic surfactants, esters being of unsaturated fatty acids, and mixture thereof.

6. The nasal application product of claim 4 wherein said carrier is a volatile spray carrier selected from the group consisting of water, natural oils, glycols, organic surfactants and mixtures thereof.

5 7. The nasal application product of claim 4 wherein said carrier is a lotion selected from the group consisting of polyethylene glycols, natural oils, silicones, homogenizers, and mixtures thereof.

10 8. The nasal application product of claim 4 wherein said carrier is a gel selected from the group consisting of three dimensional polymeric matrices of natural polymers, synthetic polymers, copolymers, and mixtures thereof.

15 9. The nasal application product of claim 1 wherein said carrier includes at least one honogenizer and at least one glycol polymer.

10. The nasal application product of claim 9 wherein said carrier includes about 1 to about 5% by weight of a glycol compound and about 60 to 85% by weight of water, based on the total weight of said plurality of masses of one or more electrostatic polymers and said topical carrier.

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11. The nasal application product of claim 10 wherein said topical carrier includes:

(a.) about 1% to about 5% by weight of a glycol

compound selected from the group consisting of polyethylene glycol,

polypropylene glycol and mixtures thereof;

(b.) about 60% to about 85% by weight of water;

and,

(c.) about 0% to about 2.5% of one or more

stearate compounds;

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all of the above weight percentages being based on the total weight of said plurality of masses of one or more electrostatic polymers and said topical carrier.

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12. The nasal application product of claim 1 wherein said product further includes a substrate containing said carrier with said plurality of masses of one or more electrostatic polymers dispersed through a portion thereof.

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13. The nasal application product of claim 11 wherein said substrate is a flexible substrate having an adhesive thereof.

14. The nasal application product of claim 11 wherein said substrate is a bandage.

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15. The nasal application product of claim 12 wherein the nasal application product of claim 1 wherein said carrier includes at least one homogenizer and at least one glycol polymer.

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16. The nasal application product of claim 15 wherein the nasal application product of claim 9 wherein said carrier includes about 1 to about 5% by weight of a glycol compound and about 60 to 85% by weight of water, based on the total weight of said plurality of masses of one or more electrostatic polymers and said topical carrier.

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17. The nasal application product of claim 16 wherein said topical carrier includes:

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a. about 1% to about 5% by weight of a glycol compound selected from the group consisting of polyethylene glycol, polypropylene glycol and mixtures thereof;

b. about 60% to about 85% by weight of water; and,

c. about 0% to about 2.5% of one or more stearate

compounds;

all of the above weight percentages being based on the total weight of said plurality of masses of one or more electrostatic polymers and said topical carrier.

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18. The nasal application product of claim 13 wherein said carrier includes at least one homogenizer and at least one glycol polymer.

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19. The nasal application product of claim 18 wherein said carrier includes about 60 to 85% by weight of water, based on the total weight of said plurality of masses of one or more electrostatic polymers and said topical carrier.

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20. The nasal application product of claim 19 wherein said topical carrier includes:

a. about 1% to about 5% by weight of a glycol compound

selected from the group consisting of polyethylene glycol,

5 polypropylene glycol and mixtures thereof;

b. about 60% to about 85% by weight of water; and,

c. about 0% to about 2.5% of one or more stearate

compounds;

all of the above weight percentages being based on the

10 total weight of said plurality of masses of one or more electrostatic

polymers and said topical carrier.